

I. A bag contain 6 blue 2 red and 1 black balls

If two are selected at random find

- the probability of obtaining 2 red ones
- the probability of obtaining the black ball.

II. A class consists of 30 students. Two are to be selected as president and vice president. In how many ways can this be done?

III If the class consists of 20 women & 10 men, what is the probability of getting exactly one woman selected?



V A man is playing roulette and he is placing bets on the red color. Assume that the roulette has half of its numbers red and the other black. The man will place a 10¢ bet on red. If he loses, he puts 30¢ again on red. If he loses again he places 90¢, and so on. Every time he loses he triples the amount and bet on red again. If he wins he stops.

What is the probability he will lose more than a 1000¢? = show your work =